BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

	Estimate Cost Rs.	1499208.00

Name of Work: Detailed Estimate for the work of Improvments to drains at 19th to 21st cross roads of eastern side kondappa layout in ward No-02 of yelahanka Sub division.

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
2	KSRB 2-2 I : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15	cum							
	20th and 21st cross		2	25.00	1.00	0.90	45.00		
			1	60.00	1.50	0.90	108.00		
	for cc road		1	35.00	3.00	0.20	21.00		
							174.00	176.04	30631.00
	Basic Rate	163.00							
	Area Weightage @ 8%	13.04							
	Total	176.04							
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumping turning for return trip excluding time for haulged and return trip complete as per spucification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15)	cum							
			Vide Item No. 1				174.00	79.10	13763.00
	Basic Rate for loading and unloading	65.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		73.24							
	Area Weighlage @ 8%	5.86							
	Total	79.10							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB M300-53 construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 144/ Item No. 19.60/ PWD SR 2014-15	cum							
	drain		2	25.00	2.00	0.60	60.00		
			1	80.00	2.00	0.60	96.00		
	road		1	35.00	3.00	0.60	63.00		
							219.00	**220.32**	**48250.00**
	Basic Rate	204.00							
	Area Weighlage @ 8%	16.32							
	Total	**220.32**							
5	KSRB 2.8 : Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including hod packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications. Specification No. KBS, No. 6/ Item No. 2.15/ / PWD SR 2014-15	Cum							
	drain		2	25.00	1.20	0.23	13.80		
			1	80.00	1.20	0.30	28.80		
							42.60	**1962.36**	**83597.00**
	Basic Rate	1817.00							
	Area Weighlage @ 8%	145.36							
	Total	**1962.36**							
3	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement monar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S. 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No.25 item No. 5.27 SR 2014-15	sqm							
	21sl cross	1x2	2	80.00		0.20	32.00		
							32.00	**993.60**	**31795.00**
	Basic Rate	920.00							
	Area Weighlage @ 8%	73.60							
	Total	**993.60**							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.2/ PWD SR 2014-15	Cum							
	drain		2	25.00	1.00	0.15	7.50		
			1	80.00	1.20	0.15	14.40		
	road		1	35.00	3.00	0.15	15.75		
							37.65	5064.12	190664.00
	Basic Rate	4689.00							
	Arc s Weightage @ 8%	375.12							
	Total	5064.12							
6	KSRB 4.2.2 : Providing and laying in position plain conicnl concrete of mix M20 withOPC cement @ 320kgs with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.450cum with superplasticisire @ 3lts conforming to IS9103-1999Reinforced machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for rool slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	for rcc drain bed		2	25.00	0.90	0.15	6.75		
			4	25.00	0.15	0.70	10.50		
			1	80.00	0.90	0.15	10.80		
			2	20.00	0.15	1.00	24.00		
	for vent concrete		1	80.00	0.60	0.10	4.80		
							56.85	6065.28	344811.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	6065.28							
7	KSRB 4.5.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bencing, hooking, placing in position, lapping and / or welding wherever required, tying wilh binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as por specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	90 kg/cum		0.900	52.05			46.85		
				52.05			46.85	7254.80	339851.00
	Basic Rate	7254.80							
8	KSRB 4.6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,biltresses,bultresses plinth and string course including cost of all materials labour complete as per specifications Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15	sqm							
	side walls	2x4	8	25.00		0.70	140.00		
		1x4	4	80.00		1.00	320.00		
							460.00	292.68	134633.00
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	292.68							

Sl.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRRB M500-5 cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and approprate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel laying and fixing of 125 micron thick polythene film, wedges, slide plates including leaving the form work as per drawing), spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant, primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.68cum and fine aggregate @ 0.46cum), , No. 171 Item No. 22.6 I SR 2014-15	Cum							
	for road		1	35.00	3.00	0.15	15.75		
							15.75	**5896.80**	**92876.00**
	Basic Rate	5450.00							
	Area Weighage @ 8%	436.80							
	Total	**5896.80**							
6	Vaccum De- watring with vaccum pump and suction mat and compaction with skin flater clubbed with floating disc including cost of generator, HOM of machinery Screed Vibratory Power Floaterblade and disc etc. with all lead and lift. Page No 171 Item No 22.7 SR 2014-15	Sqm							
			1	35.00	3.00		105.00		
							105.00	**97.20**	**10206.00**
	Basic Rate	90.00							
	Area Weighage @ 8%	7.20							
	Total	**97.20**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	RCC Precast covering slab for drain (10cm thick)	sqm							
			2	24.00	0.90		43.20		
			1	73.00	0.90		65.70		
							108.90	1498.00	163132.00
	Rate Approved by BBMP	1496.00							
11	1% of Quality control charges								15000.00
12	Miscellaneous charges								
								Total	1499208.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2014-15.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. "15.00" lakhs

accorded under head P-1771

Registered as CE No. AA DI: 27-10-14

to conditions contained in enclosed memo

No ... Dt ...

AEE/E IA

TECHNICALLY SANCTIONED FOR Rs. 15.00 Lakhs

Rupees Fifteen Lakhs

Under P 1771 - 2014-15

Registered as CE ( ) No.

Subject to conditions contained in

enclosed memo BE ( ) No. dtd

i/c Estimate is Sanctioned

CE/Tech/TS/EE/14-15

Dated 28.10.2014 15.00 Lakhs

Executive Engineer

NAME OF WORK:- IMPROVEMENTS TO DRAINS @ 19TH CROSS TO 21ST CROSS ROADS OF EASTERN SIDE KUNDAPPA LAYOUT IN WARD.02 OF YNK SUBDN